Jennifer L. Fowler BSc, DVM, MSc
Diplomate ACVR

Current Employment:

Adjunct Instructor of Diagnostic Imaging- College of Veterinary Medicine at Arkansas State University- Aug 2026-present

Veterinary Radiologist- Telemedicine Service at Idexx Laboratories Telemedicine- July 2019- present

Education and Training

Specialty Training:

Residency- *Oregon State University:* Veterinary Diagnostic Imaging
July 2013- July 2017

Internship- *Texas A&M University:* Intern- Large Animal Clinical Services
Large animal medicine/surgery/theriogenology- June 2012-June 2013

Education:

Oregon State University: Masters of Science Veterinary Science- June 2017
Thesis: Pulmonary Imaging of Dairy Calves with Naturally Acquired Respiratory Disease

Atlantic Veterinary College (AVC): Doctor of Veterinary Medicine - May 2012

State University of New York (SUNY) College at Brockport: Bachelor of Science
Biological Sciences, Chemistry minor- May 2005

Scholarship

Journal Publications:

Breuer RM, Riedesel EA, **Fowler JL,** Yaeger MJ, Smith JS, Kreuder AJ. (2022) Ultrasonography and digital radiography findings in sheep with clinical disease associated with small ruminant lentivirus infection. Can Vet J. Apr;63(4):391-399.

Murphy SD, Ward JL, Viall AK, Tropf MA, Walton RL, **Fowler JL**, Ware WA, DeFrancesco TC. (2021) Utility of point-of-care lung ultrasound for monitoring cardiogenic pulmonary edema in dogs. J Vet Intern Med. Jan;35(1):68-77. doi: 10.1111/jvim.15990.

Hempstead MN, Shearer JK, Sutherland MA, **Fowler JL**, Smith JS, Smith JD, Lindquist TM and Plummer PJ (2021) Cautery Disbudding Iron Application Time and Brain Injury in Goat Kids: A Pilot Study. *Front. Vet. Sci.* 7:568750. doi: 10.3389/fvets.2020.568750

Hempstead, M. N., **Fowler, J. L**., Shearer, J. K., & Plummer, P. J. (2020). Evaluation of a multipump air pistol as a method for euthanizing young dairy goat kids, *American Journal of Veterinary Research*, *81*(11), 866-871.

Fowler JL, Stieger-Vanegas SM, Vanegas JA, Bobe G and Poulsen KP (2017) Comparison of Thoracic Radiography and Computed Tomography in Calves with Naturally Occurring Respiratory Disease. Front. Vet. Sci. 4:101. doi: 10.3389/fvets.2017.00101

Young BD, Mankin JM, Griffin JF, Fosgate GT, **Fowler JL** and Levine JM. (2015) Comparison of Two Fat-Suppressed Magnetic Resonance Imaging Pulse Sequences to Standard T2-Weighted Images for Brain Parenchymal Contrast and Lesion Detection in Dogs with Inflammatory Intracranial Disease. Vet Radiol Ultrasound, 56: 204–211. doi:10.1111/vru.12220

Textbook Publications:

Chapter 21: Bovidae and Antilocapridae and Chapter 23: Cervideae, Moschidae, and Tragulidae. *Diagnostic Imaging of Zoo and Wild Animals.* MJ Adkesson et al. ISBN: 978-1-119-85974-1 December 2026

Grants:

American College of Veterinary Radiology, Veterinary Ultrasound Society
Resident Research Grant- $7,500- May 2014

Oregon State University, College of Veterinary Medicine
Department of Clinical Sciences Resident Research Grant- $5,000- Jan 2014

Research:

Collaborative Support-

A study of inter- and intra-observe agreement in mandibular and medial retropharyngeal lymph node measurement obtained on computed tomography- Researchers- Monique Mayer and Brad Cotter

Positive contrast computed tomographic bursography and tenosynography in the horse- Researcher- Oscar Cuillè

Computed tomography of iodine/latex injected cadaver dogs for digital anatomy archiving- Sept 2018. Researcher- Dr. Thimmasettappa Thippeswamy.

Ultrasound guided hepatic inoculation in pigs- Nov 30, 2017. Researcher- Tanja Opriessnig

Renal cortex to medulla ratios: is there a correlation between the ratio and clinical disease status? Aug 2018-present. **PI- JL Fowler**, Co-PI- Lilyan Mathai (USDA Scholar)

Pulmonary imaging of dairy calves. July 2013- June 2017. Thesis Advisor: SM Stieger-Vanegas

MRI of the brain of dogs with inflammatory disease. July 2012- Oct 2013. PI: BD Young

Ultrasonographic evaluation of rodent testicles for evidence of state of pubescence.
February 2012- May 2012. PI: J. Spears
Spears J, Matthews A, Hartwig S. (2013) Evaluation of noninvasive methods of predicting testicular weight and development in an inbred and outbred strain of laboratory mouse, Theriogenology, 79 (3); 566-573.doi:10.1016/j.theriogenology.2012.11.014.

Presentations:

Professional Continuing Education-

Diagnostic imaging continuing education (DICE). Idexx telemedicine certifying exam preparation weekend. (~8 hrs per weekend) Aug 2020, 2021, 2022, 2023, 2025

Series on Radiography in general practice (4 hrs). Arkansas Veterinary Medical Assoc.- Feb 2021

Comparison of thoracic radiography, ultrasonography, computed tomography and histology in the evaluation of pneumonia in dairy calves. American College of Veterinary Radiology Conference- Oct 20, 2016
ACVR Resident Research Podium Presentation Award

Osteochondrosis in Food Animals. Oregon Veterinary Conference- March 8, 2014

Resident Seminars-

Situs inversus with severe bronchial disease in a dog: Is it Kartagener's Syndrome? Resident Seminar- Nov 2016

Calvarial Hyperostosis in a Pit-bull Puppy. Resident Seminar- Jan 14, 2015

Intrahepatic Portosystemic Shunt in a Nigerian Dwarf Goat. Resident Seminar- Jan 2014

Treatment of Pythiosis in the Cervical Soft Tissues of a Horse- House Officer Seminar- Jan 2013

Teaching and Mentorship Experience:

Southland Vets:

Co-director for ACVR training program for Dr. Cynthia Collins- 2020-2023

Iowa State University:

Mentor for USDA African Veterinary Scholar Program- Aug- Dec 2018
Assist in training Diagnostic Imaging residents- one in each year of a 3yr program
VMC 460- Clinical Radiology- fourth year clinics
BMS 331- Principles of Morphology II
BMS 502- Methods in Biomedical Sciences

Oregon State University:

Fourth Year Clinics- Diagnostic imaging
Second and Third Year Radiology laboratory sessions

Texas A&M University:

Fourth Year Clinics- Equine medicine, surgery and lameness; Food Animal medicine, surgery, and lameness; Diagnostic imaging- equine, food and fiber, and companion animal
VMID 952- Clinics 1- Third year introduction to clinics
VMID 935 and 936-Third year surgery lab
VMID 912 and 913- First year clinical correlates

AVC Peer Tutor: Fall 2009-May 2012

Tutored first year veterinary students in macroscopic anatomy (canine, equine and ruminant) and second and third year students in diagnostic imaging.

Awards and Honors:

Resident Research Podium Presentation Award- The American College of Veterinary Radiology Award- Oct 22, 2016

The American College of Veterinary Radiology Award- May 11th, 2012
For a graduate showing enthusiasm and understanding for diagnostic and therapeutic radiology

Vetoquinol Equine Award- May 11th, 2012
For a graduate demonstrating interest and proficiency in equine veterinary medicine

Stephen W. Taylor Class of '99 Memorial Award- October 6th, 2011
Interest in pursuing a career in equine medicine/surgery

A.M. Lloyd Memorial Scholarship- October 8th, 2009
Academic achievement in the first year courses

Order of Omega- May 2005
National Honor's Society of Fraternity and Sorority members chosen by GPA and volunteerism at the college and local level

---

Professional Organization Memberships:

American College of Veterinary Radiologists- July 2012-present Diplomate member

American Veterinary Medical Association- May 2012-Jan 2014, Jan 2018- present

Canadian Veterinary Medical Association- May 2012-Jan 2013

Licensure:

Arkansas- June 2019- present
Iowa- July 2017- July 2026
Texas- June 2012- July 2013
